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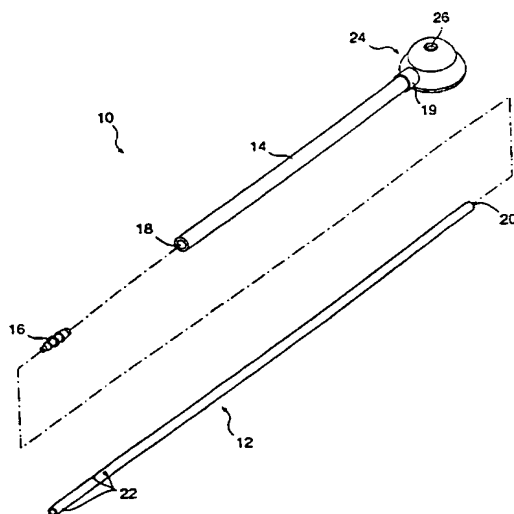
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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(54) Title: METHODS AND SYSTEMS FOR ESTABLISHING VASCULAR ACCESS



(57) Abstract

A body lumen access system (10) comprises a distal access cannula (12) and a proximal access cannula (14). The distal access cannula (12) is attached to or within the body lumen, and the proximal access cannula (14) is attached to an implanted port (24), or is transcutaneously positioned and attached to a luer or other external connector (16). The distal and proximal access cannulas are usually implanted separately, cut to length, and attached at a subcutaneous junction location. Preferably, the proximal access cannula (12) has a larger lumen diameter than that of the distal access cannula (12) in order to reduce flow resistance within the cannula system. In some cases the distal and proximal access cannulas may be formed integrally.

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INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : A61M 11/00

US CL : 604/93

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 604/93, 175, 183, 247, 905; 623/1

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
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EP 98 90 3547

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